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## PATENT ABSTRACTS OF JAPAN

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NAKAMURA TAKEHIRO  
ONOE SEIZO  
ONO HIROSHI(54) METHOD FOR TRANSMITTING PILOT CHANNEL  
AND SELECTING CELL IN CDMA MOBILE  
COMMUNICATION SYSTEM

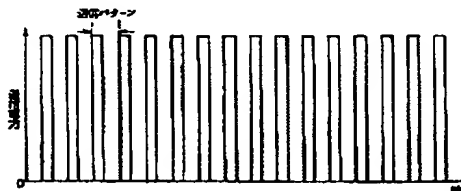
transmitted is an in-range cell.

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(57) Abstract:

**PROBLEM TO BE SOLVED:** To prevent interference power from being increased due to pilot channel transmission as compared with continuous transmission and to prevent the deterioration of system capacitance by intermittently transmitting the pilot channel.

**SOLUTION:** A specified transmission pattern for executing a method for pilot channel transmission and cell selection in a CDMA mobile communication system is repeatedly transmitted. When transmission is intermittently executed by the specified transmission pattern by fixed transmission power, a reception level is intermittently raised and changed with time by the movement of a mobile station and change in the peripheral environment of the mobile station. The mobile station measures the reception level by a transmission timing, averages reception level measurement values in a prescribed long time and selects a cell based on the average value. Concretely, reception level measurement and an averaging processing concerning the plural pilot channels so that it is judged that the cell where the pilot channel with the largest average value is


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